

---

## PACKING LIST

---

- 1 - Vanguard Platinum Dust Collector (10330)
- 1 - Adapter 1½" Accessory x 2½" Hose End (VMC-1036)
- 1 - 2½" x 6' Hose (VMC-1023B)
- 1 - Power Cord

<p><b>IMPORTANT SERVICE INFORMATION:</b> SAVE SHIPPING BOX AND FOAM FOR FUTURE SERVICE. SHIPPING WITHOUT PROPER FOAM MAY CAUSE DAMAGE TO UNIT</p>
---

---

## ASSEMBLY INSTRUCTIONS for VANIMAN VANGUARD PLATINUM

---

1. Remove the unit and other parts from the box; check against the packing list.
2. The vacuum hose supplied slips onto the vacuum connection on top of the unit and the other end connects to the collection device desired. The ideal location for the unit is under the bench where the user works. The hose supplied is 2½" x 6' long. Other hose combinations are available for dual station use. Longer hoses and adapters are available from your dealer. We recommend that you try to keep the total length of hose **less** than six feet between the unit and the dust collection point. Longer hose will reduce suction.

---

## SETTING UP THE AUTOPILOT SYNC

---

### Introduction:

The **AutoPilot Sync** allows you to control your dust collector from a micromotor or lathe. When you start your micromotor, the dust collector will start automatically. When you stop your micromotor, the dust collector will continue for a short period of time to allow for the residual dust to be cleared.

### **WARNING:**

The Autopilot Sync will accommodate a micromotor, electric handpiece, or lathe that does not exceed **5 amps, 115VAC, total**.

### 1. Powering on the unit:

- Connect the provided power cord into the Platinum's **Power Receptacle** and flip the circuit breaker switch to the **ON** position.
- The display should turn on and the **Blue LED** will light up, indicating it's in **Manual Mode**.

### 2. Manual Mode Operation

- In **Manual Mode** you can set the operating speed by pressing the **UP** and **Down** buttons. The display will show the selected motor speed.
- Press the **Start/Stop** button: The dust collector will activate.
- Press the **Start/Stop** button again: The dust collector will deactivate.

### 3. Automatic Mode Operation:

- Press the **Manual** button to enter **Automatic Mode** (the Blue LED will turn off).
- In **Automatic Mode**, the dust collector will only activate when the micromotor is activated or via the remote port.

---

## **CALIBRATION INSTRUCTIONS**

---

On the display you will see:

- **Power:** Power being used by your micromotor.
- **Start Point:** This sets the threshold for the Autopilot to activate and deactivate.

### **1. Calibrating the AutoPilot Sync to your micromotor:**

- Set the Platinum to **Automatic Mode**. You can only adjust the calibration settings in this mode.
- Ensure your micromotor is connected to the “**Handpiece Outlet**” located at the top of the unit.
- Turn the micromotor switch to the “ON” position, but do not activate it. On the Platinum, press the **Reset** button to automatically calibrate to your micromotor. The **Start Point** value on the display will update accordingly.

### **2. Adjusting the Start Point:**

- If the dust collector starts when you activate the micromotor but doesn’t shut off when you deactivate it, the **Start Point** value is set too low:
  - Press the **Up** button to increase the **Start Point** value until the dust collector shuts off. Allow two seconds after each adjustment.
  - Test the micromotor again and repeat the process until the dust collector turns off after the micromotor stops.
  - The dust collector will continue to run for about 10 seconds after you stop using the micromotor.
- If the dust collector doesn’t start when you activate the micromotor, the **Start Point** value is set too high:
  - Press the **Down** button to lower the value.
  - Test the micromotor again and repeat the process until the dust collector starts when the micromotor is activated.

### **3. Adjusting the Buffer:**

- **Buffer:** The Buffer value prevents rapid switching between on and off states and controls sensitivity.
- A long press of the **Reset** button will switch adjustment mode from **Start Point** to **Buffer**. The setting you are configuring will be highlighted on the display.
- To switch back from **Buffer** to **Start Point**, press and hold the **Reset** button.
- **Buffer** does not need adjustment in most cases and is only used for highly sensitive setups. Adjust as needed to fine-tune performance.

### **4. Once satisfied with the settings:**

- **Save your settings** by holding the **Manual** button for a long press, or the Platinum will automatically save after 5 minutes of inactivity.

---

## **ADDITIONAL NOTES**

---

- **Power Interference:** If the dust collector is plugged into the same outlet as another device/machine, interference may occur. Ensure the Platinum is plugged into its own outlet.
- **Compatibility Issues:** Some high-speed brushless micromotors may not draw enough power to trigger the Autopilot Sync. Contact Vaniman if you experience this issue.

**NSK Ultimate XL-K and/or Z500 Series Handpiece Users**

**From the NSK Ultimate XL-K and Z500 Users manual:**

“Vacuum-coupled Mode

On some dental tables with vacuum dust collector, the motor may be used while being coupled with a dust collector.

When such a dust collector is used, power consumption of the Ultimate XL-K/Z500 can be regulated so that the vacuum coupled function can work. If you need coupling with a vacuum dust collector, select the mode as follows:

**How to select the mode**

While pressing Forward/Reverse Selector Switch (button), turn on the Power Switch, and the mode can be selected. A long beep indicates vacuum-coupled mode and 2 short beeps indicate non-coupled mode. Each time the switch selection is made, the mode changes between vacuum-coupled mode and non-coupled mode.”

---

**MAINTENANCE**

---

1. **Filter Bag Replacement** - When a noticeable drop in suction occurs with the unit or it shuts down, it may be time to replace the filter bag. **DO NOT** attempt to clean out the filter bag. Replace with a new Vaniman filter bag. Change the filter bag by unscrewing the two thumb screws located on the side panel and remove the cover plate. The filter bag will now be exposed. Remove the used filter bag by sliding it off the inlet tube. The front of the cardboard reinforcement may need to be tilted downward slightly to remove bag easily. Once removed, check the inside of the filter bag compartment, if dust is present please clean the compartment. Cause for residual dust may be the filter bag was improperly installed. Vacuum out any dust before putting in a new bag. This will increase the life of the unit. Filter bag re-order number is **VMC-A400-5**, which can be ordered through your supplier.
2. **Installing a New Filter Bag** - Slip the cardboard reinforcement, with rubber seal, over the inlet tube. You may need to tilt the front of the cardboard downward and slip the back edge up past the tube end, then rotate upward over the tube end. Carefully tuck the edges of the filter bag into the filter bag cavity. Replace the cover plate and gently tighten the thumb screws. Only gentle pressure needs to be used to make the gasket seal; the vacuum pressure will draw the cover tight.
3. **Reset the Bag Full Indicator** - Once the unit detects that the filter bag is full it will automatically shut off the motor and indicate on the display that the bag is full. After replacing the filter bag, reset the Platinum by either pressing the **Start/Stop** button or flipping the circuit breaker switch to the Off position, then back to the On position.
4. **Circuit Breaker** - The unit is protected by a circuit breaker located at the top of the unit. In the unlikely event there is an overload condition the breaker may trip. If this happens reset the breaker by flipping the switch back to the ON position.
5. **Motor Protection** - If the motor becomes too hot it will automatically shut off to prevent damage. To reset the thermal gauge, turn off or unplug the unit and allow the motor to cool down. Once it has cooled you may turn it back on and continue use.
6. **Motor Brushes** - This long life motor does not have replaceable brushes. Replacement motors can be ordered as **P/N 97041**.
7. **Secondary filter** - The unit is equipped with a Post Filter which should be checked periodically and replaced when it is worn or soiled. Replacement Post Filter can be ordered as **P/N 96014**.

### RECOMMENDED USAGE

1. Individual work station (2½" hose) or two station (1½" hoses) dust collection for cutting, grinding and polishing of metal, porcelain, plastic and stone.
2. The unit may be used alone or in conjunction with the Large Vaniman Pre-Filter Accumulator. The Accumulator will trap 90-95% of the dust in the collection trap, extending the life of the Filter Bag by up to 10 times. **P/N VMC-A300**
3. The unit is **NOT RECOMMENDED** for use with abrasive blasting media. The fine abrasive particles will cause motor damage; such use will immediately void the warranty. Vaniman offers a SANDVAC, **P/N 10211** which is designed specifically for abrasive blasters. Contact your dealer for availability.

### REPLACEMENT PARTS

The following items are offered to enhance the usage of your quality Vaniman unit. These items can be order through your supplier using the following part numbers. Please feel free to contact Vaniman Mfg. Co. with questions regarding our products.

Fig. #	Description	Part Number
1	Motor	97041
2	Motor Mount	2921
3	Motor Clip	3389
4	Replacement Filter Bag 3-pack	VMC-A400-3
	Replacement Filter Bag 5-pack	VMC-A400-5
5	Front Cover Thumbscrew	2984
6	Circuit Breaker, 15Amp	3285
7	Power Connector	3010
8	Outlet Receptacle	1832
9	Secondary Filter	96014
Not Shown	Power Cord	3006

